

# Oil Field Environmental Incident Summary

**Incident:** 20140917190859      **Date/Time of Notice:** 09/17/2014 19:08

**Responsible Party:** Rockwater Energy Solutions

**Well Operator:** STATOIL OIL & GAS LP

**Well Name:** ARNSON 13-24 1-H

**Field Name:** SQUIRES

**Well File #:** 18506

**Date Incident:** 9/17/2014

**Time Incident:** 07:00

**Facility ID Number:**

**County:** WILLIAMS

**Twp:** 155

**Rng:** 103

**Sec:** 13

**Qtr:**

**Location Description:**

**Submitted By:** Keith Bryan

**Received By:**

**Contact Person:** Russell Rankin  
113 4th St. East  
Williston, ND 58801

**General Land Use:** Well/Facility Site

**Affected Medium:** Well/Facility Soil

**Distance Nearest Occupied Building:** 1 Mile

**Distance Nearest Water Well:** 1 Mile

**Type of Incident:** Other

**Release Contained in Dike:** No

**Reported to NRC:** No

	Spilled	Units	Recovered	Units	Followup	Units
Oil						
Brine						
Other	23600	Barrels	19500	Barrels	19500	barrels

**Description of Other Released Contaminant:**

Fresh Water Only from Trenton Water Depot.

**Inspected:**

**Written Report Received:** 9/1/2016

**Clean Up Concluded:** 9/17/2014

**Risk Evaluation:**

No risk at all. Fresh water only.

**Areal Extent:**

Most of fresh water contained onsite. Approx.1 acre outside of containment subjected to the release

**Potential Environmental Impacts:**

No environmental impacts. Fresh water only.

**Action Taken or Planned:**

Location was secured and utilities were disconnected. Crews built up existing secondary berms to prevent any additional fresh water from exiting location. Some transports were used to remove some of the fresh water from the location. Water and soil samples were collected on and off the location. All tests show clean fresh water. Land owner was notified. Remaining water on location will be filtered and pumped into operator's existing fresh water pipeline. Remaining water in the container will be removed and the source of the failed liner will be investigated further. A new proposal for lining will be submitted and reviewed by operator before storage operations will continue. Location will be allowed to dry out and any minor civil work will be conducted at that time. No remediation of any material subjected to the fresh water will be necessary.

**Wastes Disposal Location:** There were no waste products. All recovered fresh water will be reused for operations.

**Agencies Involved:****Updates**

**Date:** 9/18/2014    **Status:** Inspection

**Author:** Martin, Russell

**Updated Oil Volume:****Updated Salt Water Volume:****Updated Other Volume:****Updated Other Contaminant****Notes:**

9/18/2014 at 10:00, on location. Wellpad built partially into hillside with slopes on east and south side. County road ditch borders north side. Release covered wellpad (at this time still quite a bit of water on location) and flowed off west side of wellpad adjacent to access road to wellpad. Release flowed down into the county road ditch, flowed through a culvert underneath the access road, and proceeded west into the drainage off location. Release filled multiple depressions with standing water off location. Further down the drainage, it filled and overtopped a stock pond. Discussed situation with landowner, and landowner is fine with water remaining in drainage as long as the water has salt levels safe for cattle to drink.

**Readings:**

Chloride strip in standing water on wellpad: <31 ppm (lowest testable level) Cl  
Soil probe: Background in county road ditch (within facility fenceline) up drainage from where release entered drainage -Electrical Conductivity (EC) < 1.5 milliSiemens (mS)  
Still within facility fenceline where drainage exits off location: EC < 1.5 mS

First water filled depression off location: Chloride strip: < 31 ppm Cl  
Soil probe adjacent to depression within flowpath: EC < 1.5 mS

Stock pond inlet water: Chloride strip < 31 ppm Cl  
Stock pond outlet flowpath: Soil probe EC < 1 mS

Levels below Department limits.

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**Date:** 9/18/2014    **Status:** Reviewed - Follow-up Required

**Author:** Roberts, Kris

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

Release of stored fresh water due to liner failure. There have been no chemical additions to the water, as this company adds the chemical only as it is delivered into the hydraulic fracturing process. However, followup is necessary to confirm and consult with the landowner.